

Magdalen Gates Design and Technology 2021/2022



Design and Technology Curriculum LTP 2020/2021

Food	Mechanisms/Mechanical Systems	Structures	Textiles	Electrical Systems
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	Term 1	Term 2 Change and Progress	Term 3	Term 4 Technological advancement	Term 5	Term 6 Conflict and Power
EYFS	Keeping safe. Introduction to saw and hammer. Collaborative piece	Supported Calendars for Christmas	Joining 2 pieces of wood	Collaborative piece,	Design, make and decorate an individual model.	Keeping safe. Introduction to saw and hammer. Collaborative piece
	Basic Level Joins glue stick, PVA glue with a glue brush, PVA glue with a spreader, make glue from flour		Mid Level Joins masking tape, sticky tape, folding paper and card, elastic band, sticky tack, a paper clip, a stapler		High Level Joins hole punch (single and double) split pins, treasury tags, stitching	
Year 1	Food: What can we take on a picnic? (healthy) Preparing fruit and vegetables (including cooking and nutrition requirements for	MUSIC	Mechanisms: Can we make a book with moving parts all about toys? Sliders and levers	MUSIC	Structures: Can we make a building with a tower? Freestanding structures	MUSIC

	KS1					
Year 2	MUSIC	Textiles: Can we make a soft toy? Templates and joining techniques	MUSIC	Mechanisms: Can we make a soap box racer? Wheels and axles	MUSIC	Food: Can we plan and make a yogurt for breakfast? Preparing fruit and vegetables (including cooking and nutrition requirements for KS1)
Year 3	Structures: -Shell structures Can we make a box? (for a toy car)	MUSIC	Textiles: 2-D shape to 3-D product Can we make a purse?	MUSIC	Food: Can I make a healthy lunch? (pitta pockets) Healthy and varied diet (including cooking and nutrition requirements for KS2)	MUSIC
Year 4	MUSIC	Mechanical systems: Can we make a pop up Christmas card? -levers and linkages	MUSIC	Electrical systems: Can I make an illuminated display? Astrology? -simple	MUSIC	Food: Can we make a snack bar? Healthy and varied diet (including cooking and

				programming and control		nutrition requirements for KS2)
Year 5	ART	Food: Can we make Christmas foods from around the world? celebrating culture and seasonality (including cooking and nutrition requirements for KS2)	ART	Structures: Can we make a kite? frame structures ?	ART	Textiles: Can we make a reusable shopping bag? -Combining different fabric shapes
Year 6	Mechanical systems: Can I make a moving race car? -pulleys or gears		Food: Can we create a quick cook bread? celebrating culture and seasonality (including cooking and nutrition requirements for KS2)		Electrical systems: Can we create an automatic night light? -using more complex switches and circuits	

KS1 and KS2 should have a minimum of 8 hours DT in the half term that it is taught in.